

AM-88-363

Pyrophosphate groups in the structure of canaphite,  $\text{CaNa}_2\text{P}_2\text{O}_7 \cdot 4\text{H}_2\text{O}$ :  
The first occurrence of a condensed phosphate as a mineral

Rouse, et al.

To be Deposited: Table 3

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TABLE 3. OBSERVED AND CALCULATED STRUCTURE FACTORS FOR CANPHHITE.

H	K	L	FO	FC	A	B	PHI	DEL(F)	SIG*(F)
1	2	0	12.93	12.30	-11.83	-3.38	195.96	0.63	0.25
0	3	0	5.66	5.94	5.91	0.59	5.66	-0.29	0.52
2	0	0	40.91	39.40	-37.73	11.33	163.29	1.52	0.19
2	1	0	64.08	64.54	56.96	-30.36	331.94	-0.46	0.19
1	3	0	11.06	12.51	9.87	-7.69	322.06	-1.45	0.32
2	2	0	39.32	39.94	20.38	-34.35	300.69	-0.62	0.22
0	4	0	47.31	46.51	-46.50	0.52	179.35	0.80	0.22
1	4	0	61.08	60.50	59.31	11.94	11.38	0.58	0.24
2	3	0	15.89	15.53	13.76	-7.20	332.38	0.36	0.28
3	0	0	36.05	37.18	27.64	24.87	41.98	-1.13	0.25
3	1	0	45.89	47.49	43.15	19.84	24.69	-1.60	0.25
2	4	0	47.16	48.57	48.56	0.51	0.61	-1.41	0.27
0	5	0	59.84	61.85	59.28	17.65	16.58	-2.01	0.25
2	4	0	31.62	33.09	32.82	4.22	7.32	-1.46	0.27
3	2	0	52.53	52.60	52.58	-1.31	358.57	-0.06	0.27
1	5	0	22.47	23.05	23.05	0.24	0.59	-0.57	0.31
2	5	0	27.11	28.21	1.63	28.16	86.68	-1.09	0.31
0	6	0	35.61	35.04	-35.04	0.09	179.85	0.57	0.29
3	4	0	4.71	6.52	-0.97	-6.45	261.43	-1.81	0.91
1	6	0	44.27	44.78	21.13	-39.48	298.16	-0.51	0.29
4	0	0	15.29	16.81	5.86	-15.76	290.38	-1.53	0.38
4	1	0	6.29	6.29	-2.67	-5.69	244.90	0.00	0.75
4	2	0	8.65	9.70	5.29	8.13	56.95	-1.06	0.54
2	6	0	25.27	26.53	25.95	5.55	12.07	-1.26	0.35
3	5	0	10.12	11.65	0.83	-11.62	274.07	-1.53	0.56
4	3	0	19.07	18.91	18.75	2.44	7.43	0.16	0.37
0	7	0	3.90	2.09	-2.08	0.18	175.07	1.82	1.25
1	7	0	20.41	20.42	17.94	-9.74	331.51	-0.00	0.38
4	4	0	16.29	16.90	16.42	-3.98	346.38	-0.61	0.41
3	6	0	17.41	17.30	16.76	-4.29	345.65	0.11	0.41
2	7	0	12.03	12.22	1.74	12.10	81.83	-0.19	0.53
5	0	0	48.16	52.54	50.44	-14.71	343.74	-4.38	0.34
5	1	0	24.83	25.72	25.64	-2.10	355.32	-0.89	0.38
4	5	0	31.49	31.85	31.67	3.43	6.19	-0.36	0.37
5	8	0	29.94	31.16	31.16	0.45	0.82	-1.22	0.38
0	2	0	10.19	11.50	11.11	2.96	14.90	-1.31	0.63
5	2	0	13.39	13.03	12.73	2.79	12.35	0.36	0.53
1	8	0	2.99	5.24	-4.94	-1.73	340.65	-2.25	2.14
3	7	0	15.51	15.43	-14.75	-14.68	252.08	0.08	0.46
2	8	0	20.85	21.13	-10.18	18.51	118.82	-0.27	0.44
4	6	0	29.41	29.76	28.56	8.38	16.34	-0.35	0.40
5	4	0	8.31	7.01	6.62	2.31	19.21	1.43	0.77
0	9	0	8.79	7.37	7.36	0.30	2.30	1.43	0.78
1	9	0	16.35	16.29	16.17	1.96	6.90	0.06	0.53
5	5	0	9.10	9.89	9.59	2.42	14.16	-0.79	0.85
3	8	0	5.95	7.15	2.10	-6.84	287.10	-1.20	1.13
6	0	0	17.76	19.30	17.13	8.90	27.46	-1.54	0.53
6	0	0	13.83	14.71	14.54	2.28	8.90	-0.88	0.63
4	7	0	12.70	13.97	10.01	9.74	44.22	-1.28	0.62
6	1	0	16.16	17.51	15.73	7.68	26.02	-1.35	0.57
2	9	0	3.09	2.79	2.65	-0.87	341.90	0.31	2.19
6	2	0	7.31	4.63	4.01	2.32	30.03	2.67	0.94
5	3	0	9.53	7.98	-4.57	6.54	124.97	1.55	0.80
0	6	0	5.14	9.67	9.67	0.18	1.09	-4.53	1.52
1	10	0	8.93	5.10	3.64	3.58	44.51	3.82	0.84

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4	8	0	12.64	13.14	11.41	-6.52	330.25	-0.50	0.69
3	9	0	8.59	6.81	6.34	2.48	21.37	1.77	0.87
6	4	0	16.58	16.47	15.98	3.99	14.02	0.11	0.57
5	7	0	5.55	8.56	5.13	6.85	53.15	-3.01	1.53
2	10	0	12.83	14.70	11.44	-9.23	321.11	-1.87	0.72
6	5	0	13.11	14.55	13.05	-6.43	333.77	-1.44	0.72
7	0	0	7.20	5.65	-0.27	5.65	92.69	1.55	1.16
7	0	0	9.44	9.37	6.32	-6.92	312.43	0.07	0.93
4	9	0	9.12	4.04	3.87	-1.18	342.98	5.07	1.03
-1	2	1	41.67	40.92	-40.92	0.47	179.35	0.75	0.18
1	2	1	36.04	33.27	-32.54	6.91	168.02	2.77	0.19
0	3	1	70.78	70.99	68.28	19.41	15.87	-0.21	0.19
-2	1	1	26.89	28.10	3.43	27.89	82.99	-1.20	0.21
-1	3	1	35.80	36.56	24.72	-26.94	312.54	-0.76	0.21
2	1	1	39.53	34.68	-32.71	-11.53	199.42	4.85	0.21
1	3	1	38.65	38.59	17.39	34.45	63.22	0.05	0.21
-2	2	1	10.87	12.35	-5.23	11.18	115.06	-1.48	0.31
2	2	1	31.64	32.26	-31.49	-7.04	192.60	-0.63	0.24
0	4	1	18.07	18.01	17.62	3.74	11.98	0.06	0.27
-2	4	1	9.68	8.55	-4.77	-7.09	236.07	1.13	0.34
-1	4	1	14.14	14.26	-8.44	-11.49	233.70	-0.12	0.31
1	4	1	31.99	31.95	-10.29	30.25	108.78	0.03	0.25
2	3	1	24.85	25.55	-23.08	10.96	154.59	-0.70	0.27
-3	1	1	20.81	21.03	-20.84	-2.82	187.72	-0.22	0.27
-3	2	1	40.59	42.87	41.99	8.67	11.67	-2.28	0.25
-2	4	1	32.34	32.70	9.04	31.43	73.96	-0.36	0.27
0	5	1	16.38	17.50	17.42	1.67	5.49	-1.12	0.31
3	1	1	18.72	18.67	-9.43	16.11	120.33	0.05	0.31
-1	5	1	39.97	39.79	-38.38	10.48	164.73	0.19	0.27
2	4	1	19.21	19.35	18.48	5.75	17.29	-0.15	0.31
3	5	1	9.10	9.96	7.78	6.22	38.67	-0.86	0.43
-3	3	1	4.80	5.14	-4.68	-2.11	204.24	-0.33	0.71
-3	3	1	39.69	40.86	-39.04	-12.04	197.14	-1.17	0.27
3	3	1	10.29	12.26	5.30	11.06	64.39	-1.97	0.46
-2	4	1	32.70	32.77	-6.48	32.13	101.40	-0.08	0.29
-3	5	1	29.62	28.64	-28.54	2.41	4.82	0.98	0.31
0	6	1	24.43	23.56	-22.96	5.28	167.05	0.88	0.31
2	5	1	36.63	38.10	27.94	-25.90	317.17	-1.47	0.29
-4	1	1	16.80	16.25	-3.49	-15.87	257.58	0.56	0.37
-1	6	1	3.40	3.10	0.97	2.95	71.86	0.30	1.18
1	6	1	22.68	22.83	-22.35	4.65	168.25	-0.15	0.34
-4	2	1	19.32	20.20	-18.90	-7.12	200.63	-0.87	0.35
3	4	1	18.81	20.16	13.20	15.24	49.10	-1.35	0.35
4	1	1	4.60	2.89	-1.09	-2.68	247.95	1.71	0.91
-2	6	1	26.95	26.86	1.61	26.81	86.56	0.09	0.34
-3	5	1	36.75	38.62	38.61	-0.84	358.75	-1.87	0.32
-4	3	1	27.87	27.90	-23.12	15.63	145.94	-0.04	0.34
4	2	1	5.57	4.98	-4.75	-1.49	197.37	0.59	0.81
2	6	1	12.25	12.46	11.71	-4.26	340.01	-0.20	0.50
3	5	1	24.40	22.92	-2.81	22.75	97.05	1.48	0.35
0	7	1	13.08	12.57	10.57	6.80	32.78	0.51	0.46
4	3	1	2.67	9.61	2.18	-9.36	283.13	-6.95	1.89
-1	7	1	4.95	7.16	4.24	-5.77	306.33	-2.21	1.05
-4	4	1	11.58	12.99	-12.94	1.11	175.08	-1.41	0.52
1	7	1	16.07	16.79	-4.37	16.21	105.09	-0.72	0.43
-3	6	1	5.96	5.70	-5.09	-2.56	206.66	0.27	0.85
-2	7	1	11.27	10.53	-10.50	0.73	176.01	0.74	0.57
4	4	1	7.78	7.68	-7.60	-1.09	188.12	0.10	0.77
-5	1	1	17.08	17.74	17.74	0.89	2.88	-0.68	0.41
3	6	1	9.25	8.22	-2.92	7.69	110.76	1.02	0.65

2	7	1	13.56	12.53	1.83	12.40	81.59	1.03	0.52
-4	5	1	4.77	2.93	0.20	2.92	86.02	1.84	1.16
-5	2	1	8.37	7.84	-7.62	-1.81	193.38	0.53	0.68
0	8	1	19.44	20.24	-10.65	17.21	58.24	-0.80	0.44
5	1	1	18.13	18.59	-17.58	6.04	161.05	-0.46	0.44
-1	8	1	19.51	19.93	17.42	9.68	29.06	-0.41	0.44
-5	3	1	42.92	43.79	31.21	30.71	44.53	-0.87	0.35
4	5	1	25.39	24.59	-15.69	18.93	129.64	0.80	0.40
1	8	1	13.74	14.25	13.04	5.73	23.71	-0.51	0.53
5	2	1	15.88	15.28	10.73	-10.88	314.60	0.60	0.49
-3	7	1	6.42	6.34	0.87	6.28	82.08	0.08	0.94
-4	6	1	2.95	3.64	1.03	3.49	73.54	-0.69	2.09
-2	8	1	12.96	13.75	-2.09	-13.59	261.24	-0.79	0.56
-5	4	1	9.94	9.99	-2.18	9.75	102.61	-0.05	0.65
3	7	1	18.00	15.57	-14.27	6.23	156.42	2.43	0.46
5	3	1	13.61	13.90	8.71	10.83	51.21	-0.29	0.56
2	8	1	13.86	15.09	-5.39	14.09	110.94	-1.23	0.57
4	6	1	6.86	6.49	-5.91	-2.69	204.46	0.37	0.99
5	4	1	9.18	10.52	10.00	3.27	18.12	-1.34	0.75
0	9	1	16.45	17.75	-17.75	-0.31	180.99	-1.30	0.53
-5	5	1	8.57	8.39	-7.89	2.85	160.13	0.19	0.82
-3	9	1	23.86	25.11	7.52	23.95	72.58	-1.25	0.46
-1	8	1	22.55	22.21	-21.76	4.43	168.50	0.34	0.47
-6	1	1	8.94	4.09	-4.08	-0.17	182.32	4.85	0.75
-4	9	1	3.14	4.04	-0.05	-4.04	269.23	-0.91	2.22
-6	7	1	12.84	10.64	-3.55	10.03	109.52	2.21	0.63
-4	2	1	7.81	3.50	3.47	0.47	7.74	4.30	0.90
3	8	1	8.22	10.65	-7.67	7.39	136.07	-2.43	0.94
5	5	1	4.65	3.85	2.16	3.19	55.91	0.80	1.46
-2	9	1	13.89	15.20	-1.36	10.10	41.62	-1.31	0.69
-4	7	1	3.34	4.83	-2.83	-3.91	234.11	-1.48	2.37
-6	3	1	13.54	12.23	11.55	-4.03	340.77	1.30	0.63
2	9	1	16.01	19.48	0.56	19.47	88.35	-3.47	0.62
6	1	1	7.69	8.89	-7.57	-4.66	211.62	-1.20	1.05
-5	6	1	10.56	8.14	6.64	4.71	35.33	-2.42	0.72
6	2	1	3.37	4.61	-1.99	4.16	115.53	-1.24	2.39
-6	4	1	5.57	2.25	-1.70	-1.48	221.03	3.31	1.41
-4	8	1	16.30	16.55	1.12	16.51	86.12	-0.24	0.60
0	10	1	9.06	12.67	-10.57	6.98	146.56	-3.61	0.96
5	6	1	9.46	9.77	-3.79	9.01	112.83	-0.32	0.90
-3	3	1	13.06	13.63	3.34	13.21	75.83	-0.57	0.74
-1	9	1	18.06	17.15	-2.38	16.98	97.98	0.91	0.53
-1	10	1	19.93	22.69	-5.04	22.13	102.82	-2.76	0.54
1	10	1	10.22	11.23	10.55	-3.87	339.82	-1.01	0.85
3	8	1	8.81	12.27	11.98	2.64	12.41	-3.46	1.09
4	8	1	11.64	11.41	9.95	5.58	29.28	0.22	0.80
-5	7	1	4.89	6.38	-4.68	4.34	137.16	-1.49	1.71
6	4	1	10.84	11.84	0.11	11.84	89.48	-1.00	0.82
-6	5	1	10.47	9.78	-7.58	-6.18	219.19	0.69	0.91
-2	10	1	3.34	4.04	-0.95	-3.93	256.46	-0.70	2.37
-2	10	1	10.44	11.87	-7.89	8.87	131.63	-1.43	0.96
5	7	1	11.68	12.46	12.40	-1.27	354.14	-0.78	0.85
-7	1	1	12.83	10.06	-9.90	1.78	169.81	2.77	0.74
-4	9	1	10.47	10.22	9.99	-2.18	347.69	0.25	0.94
-7	2	1	3.59	4.05	-3.64	1.78	153.91	-0.46	2.55
-6	6	1	8.32	10.05	-7.94	-6.16	217.78	-1.73	1.13
-3	10	1	13.71	15.15	-1.78	15.04	96.76	-1.44	0.81
-1	1	2	57.87	57.06	56.96	-3.37	356.62	0.81	0.16
-1	2	2	59.87	60.50	60.37	-3.99	356.21	-0.64	0.16
-2	0	2	41.58	41.05	40.43	-7.11	350.02	0.53	0.18

-2	1	2	35.61	37.00	16.83	-32.96	297.05	-1.39	0.19
0	3	2	46.45	47.26	38.04	28.04	36.39	-0.80	0.19
-1	3	2	47.70	46.65	46.34	5.38	6.63	1.05	0.19
-2	3	2	38.23	37.20	37.17	1.47	2.27	1.03	0.21
2	0	2	46.89	46.65	35.66	-30.08	319.85	0.25	0.21
1	3	2	36.14	36.47	-10.03	35.07	105.96	-0.33	0.22
2	0	2	23.42	23.08	22.91	-2.81	353.01	0.34	0.24
-2	1	2	62.27	62.00	59.40	-17.79	343.33	0.27	0.21
0	4	2	29.82	29.12	28.24	7.11	14.13	0.70	0.24
2	4	2	18.93	18.76	-1.34	18.71	94.09	0.16	0.27
-1	4	2	23.82	24.40	-1.55	24.35	93.64	-0.59	0.25
-3	0	2	17.47	16.70	13.56	-9.75	324.29	0.77	0.29
2	4	2	23.52	25.28	24.13	7.53	17.32	-1.76	0.27
-3	1	2	18.95	19.21	18.45	5.35	16.18	-0.26	0.28
1	4	2	9.59	8.62	-0.38	-8.62	267.48	0.96	0.40
-3	2	2	16.32	16.83	-14.38	8.74	148.69	-0.51	0.31
2	3	2	20.30	19.80	-6.59	18.67	109.44	0.50	0.28
-2	4	2	42.76	42.48	35.20	23.79	34.05	0.27	0.25
0	5	2	38.25	38.56	38.51	1.98	2.94	-0.31	0.27
-1	5	2	23.45	23.70	8.33	-22.19	290.57	-0.26	0.29
3	0	2	23.03	22.10	17.75	-13.17	323.43	0.94	0.29
-3	3	2	2.22	1.17	-1.11	0.36	161.88	1.05	1.58
3	1	2	24.12	22.84	18.49	-13.41	324.04	1.28	0.29
2	4	2	57.06	56.35	47.82	-29.81	328.06	0.71	0.27
1	5	2	8.63	7.89	7.12	-3.38	334.62	0.75	0.53
3	2	2	23.20	22.81	17.30	-14.86	319.35	0.39	0.29
-2	5	2	31.64	31.38	22.83	21.53	43.33	0.25	0.29
-4	0	2	73.61	74.91	74.81	-3.93	356.99	-1.30	0.27
-3	4	2	41.52	43.73	43.51	4.44	5.82	-2.21	0.29
-4	1	2	46.56	48.05	45.64	15.04	18.24	-1.50	0.28
3	3	2	31.94	30.48	29.67	7.00	13.27	1.46	0.29
0	6	2	42.71	42.36	39.95	14.06	19.39	0.35	0.29
-4	2	2	18.20	18.91	8.13	17.07	64.52	-0.70	0.35
-1	6	2	20.53	21.18	12.52	-17.08	306.23	-0.65	0.34
2	5	2	6.30	6.58	-4.16	5.10	129.15	-0.28	0.71
-1	6	2	8.78	8.13	7.44	3.28	23.80	0.65	0.52
4	3	2	10.50	9.32	9.15	-1.80	348.88	1.18	0.46
3	4	2	30.03	29.00	26.11	12.61	25.77	1.03	0.32
-3	5	2	32.48	31.73	31.44	-4.28	352.25	0.74	0.31
-2	6	2	5.92	7.86	-7.84	0.60	175.65	-1.94	0.80
4	0	2	18.95	20.23	20.15	1.69	4.78	-1.27	0.37
4	1	2	32.67	34.78	-4.05	34.55	96.68	-2.12	0.32
4	2	2	31.08	31.21	30.71	-5.56	349.73	-0.13	0.34
2	6	2	30.74	28.93	25.11	-14.37	330.22	1.81	0.34
-4	4	2	17.87	17.49	1.86	-17.39	276.10	0.37	0.40
0	7	2	24.39	24.57	23.25	7.94	18.86	-0.18	0.37
-1	7	2	22.98	22.38	10.09	-19.98	296.79	0.60	0.37
3	5	2	8.19	9.01	8.04	4.07	26.86	-0.82	0.65
1	7	2	19.15	17.61	6.45	16.39	68.52	1.53	0.40
-5	0	2	34.35	35.59	3.69	-35.39	275.95	-1.24	0.34
-3	6	2	26.16	26.75	20.44	-17.26	319.82	-0.59	0.37
4	3	2	35.98	35.37	33.90	-10.07	343.45	0.61	0.34
-5	1	2	18.66	18.17	1.16	-18.13	273.66	0.49	0.40
-2	7	2	10.35	8.93	5.51	7.03	51.89	1.42	0.54
-5	2	2	11.27	11.73	10.67	4.87	24.53	-0.46	0.54
-4	5	2	15.77	16.04	2.37	-15.86	278.49	-0.26	0.43
4	4	2	12.98	12.38	0.85	12.35	86.06	0.60	0.49
2	7	2	24.32	26.28	26.23	-1.60	356.52	-1.96	0.38
3	6	2	7.26	8.78	4.72	7.41	57.52	-1.52	0.82
-5	3	2	23.62	24.05	20.77	12.12	30.26	-0.43	0.38

0	8	2	15.10	14.59	13.39	-5.78	336.67	0.51	0.47
-1	8	2	8.82	9.82	-4.20	8.88	115.33	-1.00	0.72
-3	7	2	23.87	24.05	23.99	1.78	4.25	-0.18	0.41
5	0	2	11.25	12.43	0.17	-12.42	270.80	-1.17	0.59
1	8	2	14.54	15.05	9.71	-11.50	310.17	-0.52	0.52
5	1	2	8.41	10.19	5.83	-8.35	304.94	-1.78	0.72
-4	6	2	6.04	4.32	-2.39	3.60	123.62	1.72	0.94
-5	4	2	13.28	14.52	14.11	-3.43	346.35	-1.23	0.54
-4	5	2	30.86	32.43	20.67	-24.99	309.59	-1.58	0.38
-2	8	2	20.31	21.19	-1.34	21.15	93.61	-0.88	0.46
5	2	2	20.43	22.00	21.97	1.30	3.38	-1.58	0.44
3	2	2	5.39	4.58	0.60	4.54	82.45	0.81	1.18
2	8	2	21.40	21.35	21.33	0.83	2.22	0.05	0.46
5	3	2	9.54	8.54	6.85	5.10	36.66	1.00	0.72
-5	5	2	22.31	22.54	21.93	5.24	13.44	-0.23	0.46
-6	0	2	13.43	13.84	13.84	-13.76	173.90	-0.40	0.59
-6	1	2	20.66	18.19	14.14	11.43	38.94	2.48	0.47
4	6	2	7.48	6.49	3.38	-5.53	301.45	0.99	0.91
0	9	2	3.00	2.70	1.16	2.44	64.56	0.30	2.14
-3	8	2	24.83	23.89	23.86	-1.32	356.83	0.94	0.46
-4	7	2	8.13	8.34	-6.68	5.00	143.21	-0.21	0.87
-1	9	2	11.65	12.34	11.85	3.44	16.18	-0.69	0.72
-6	2	2	21.56	21.07	17.38	11.91	34.43	0.49	0.46
5	4	2	2.99	1.89	-1.37	1.29	136.71	-3.48	2.17
1	9	2	3.05	6.53	-5.05	-4.15	219.40	-1.18	0.82
-6	3	2	9.57	10.75	9.14	5.66	31.79	0.01	0.72
-2	9	2	9.96	9.94	8.21	5.61	34.35	0.01	0.72
-5	6	2	29.82	28.92	16.27	23.92	55.78	0.90	0.44
3	8	2	18.51	18.33	11.26	14.47	52.12	0.18	0.52
5	5	2	12.45	12.62	12.01	3.86	17.80	-0.17	0.69
4	7	2	3.21	5.26	-4.21	-4.21	306.90	-2.05	2.28
2	9	2	21.24	21.75	19.81	-8.97	335.64	-0.51	0.50
-6	4	2	15.99	16.11	15.87	-2.78	350.04	-0.11	0.60
6	0	2	16.67	16.18	12.93	-9.72	323.05	0.50	0.56
6	0	2	22.30	23.30	21.71	-8.48	338.67	-1.00	0.59
-4	8	2	17.42	17.10	16.93	-2.37	352.04	0.33	0.59
-3	9	2	14.55	15.79	15.79	-0.06	359.78	-1.24	0.65
0	10	2	11.40	11.52	11.44	1.37	6.81	-0.12	0.74
-1	10	2	17.39	19.00	17.01	-8.46	333.55	-1.60	0.57
-5	7	2	9.93	10.06	5.12	8.66	59.41	-0.13	0.90
-6	5	2	16.17	15.45	5.48	-14.45	290.75	0.72	0.63
5	6	2	20.21	19.07	18.85	2.92	8.81	1.14	0.57
1	10	2	8.39	9.72	5.14	8.25	48.85	-1.33	1.08
6	3	2	12.40	11.99	7.89	9.03	48.85	0.41	0.71
-2	10	2	14.79	16.51	11.94	-11.41	316.31	-1.73	0.63
3	9	2	12.78	11.98	10.47	5.82	29.08	0.81	0.75
-7	0	2	16.58	15.78	15.78	0.01	0.03	0.81	0.60
4	8	2	3.40	5.10	3.33	3.86	49.20	-1.70	2.42
-7	1	2	19.31	18.14	17.38	-5.21	343.31	1.16	0.59
6	4	2	9.51	9.31	4.23	-8.30	297.00	0.20	0.94
-7	2	2	18.78	17.77	17.50	-3.10	349.94	1.01	0.60
2	10	2	6.73	7.91	-5.84	5.33	137.62	-1.18	1.34
-4	9	2	9.32	10.19	9.66	-3.26	341.37	-0.87	1.06
-6	6	2	19.91	17.97	16.38	-7.39	335.73	1.94	0.60
5	7	2	23.12	25.58	25.05	5.19	11.70	-2.46	0.59
-5	8	2	10.32	9.16	9.12	0.87	5.42	1.17	0.94
-7	3	2	10.90	9.42	9.37	-0.98	354.06	1.47	0.90
0	10	2	3.58	5.78	-5.77	0.27	177.28	-2.20	2.55
-3	2	3	12.67	10.24	9.72	3.23	18.38	2.42	0.24
-1	2	3	83.68	81.86	-66.95	47.11	144.87	1.82	0.16

1	1	3	42.81	41.65	-30.67	28.18	137.42	1.16	0.18
-2	1	3	48.91	47.31	-42.50	-20.77	206.04	1.60	0.18
1	2	3	53.57	50.62	37.49	-34.02	317.77	2.94	0.19
0	3	3	6.69	7.00	4.15	-5.64	306.36	-0.32	0.46
-1	3	3	49.07	47.85	47.70	3.77	4.52	1.22	0.21
-2	2	3	35.69	34.44	-31.64	-13.62	203.29	1.24	0.21
1	3	3	16.86	15.55	-12.98	8.56	146.58	1.31	0.27
-2	3	3	6.69	6.85	-6.81	0.76	173.62	-0.16	0.49
2	3	3	19.32	18.96	-15.88	10.36	146.89	0.36	0.27
0	4	3	22.27	22.52	-20.45	-9.44	204.78	-0.26	0.25
-1	4	3	23.82	24.73	-10.22	22.51	114.42	-0.91	0.27
-3	1	3	46.45	46.37	-45.12	10.67	166.69	0.09	0.24
2	2	3	14.82	16.00	-0.04	16.00	90.13	-1.19	0.31
-3	2	3	26.55	26.50	25.79	6.12	13.34	0.05	0.27
1	4	3	16.41	16.72	16.72	0.06	0.21	-0.31	0.29
-2	4	3	22.49	23.25	22.99	3.46	8.56	-0.76	0.28
2	3	3	12.09	11.61	3.54	11.05	72.23	0.48	0.35
-3	3	3	23.20	23.31	-10.63	20.75	117.12	-0.12	0.29
0	5	3	13.39	12.55	0.65	12.53	87.02	0.84	0.35
-1	5	3	14.92	14.41	5.87	13.16	65.96	0.51	0.35
3	1	3	16.13	16.73	-8.51	-14.41	239.44	-0.60	0.34
1	5	3	22.70	23.05	5.86	22.29	75.28	-0.35	0.29
2	4	3	11.30	10.97	8.27	7.20	41.04	0.33	0.43
-2	5	3	28.72	29.23	-8.45	-18.34	321.14	-0.51	0.29
-4	1	3	20.94	21.38	-8.45	19.64	113.27	-0.44	0.31
-3	4	3	8.66	9.68	7.02	6.67	43.55	-1.02	0.53
3	2	3	11.53	10.12	-8.93	4.76	151.92	1.41	0.41
-4	6	3	19.18	21.04	-15.22	14.53	43.69	-1.86	0.35
0	6	3	17.05	16.16	-15.76	3.55	167.32	0.90	0.35
-1	6	3	14.52	14.78	14.56	2.54	9.92	-0.26	0.38
3	3	3	12.14	10.60	8.25	6.66	38.93	1.53	0.40
-4	3	3	27.50	27.76	27.71	1.57	3.25	-0.26	0.32
2	5	3	33.08	33.18	-33.15	1.51	177.39	-0.10	0.31
-3	5	3	26.39	25.75	-25.50	-3.56	187.95	0.65	0.32
-2	6	3	32.17	32.60	-10.28	30.94	108.39	-0.44	0.31
3	4	3	13.79	13.00	13.01	8.22	39.23	0.79	0.43
-4	4	3	16.79	13.80	13.01	-4.61	340.51	2.99	0.38
4	4	3	16.22	16.55	16.55	-0.04	359.88	-0.34	0.43
0	7	3	5.46	6.60	4.43	-4.89	312.22	-1.13	0.88
-1	7	3	15.91	14.49	-12.21	-7.81	212.60	1.42	0.40
2	6	3	42.43	43.95	-36.91	23.86	147.12	-1.52	0.32
-5	1	3	11.90	10.48	-10.45	0.82	175.51	1.42	0.47
-3	6	3	8.48	9.57	-0.81	9.54	94.84	-1.09	0.69
4	2	3	31.87	33.99	-32.81	8.89	164.83	-2.12	0.35
4	2	3	15.38	16.85	-8.36	14.63	119.76	-1.48	0.43
3	5	3	6.67	9.52	4.33	-8.48	297.07	-2.85	0.84
1	7	3	19.82	21.88	21.66	-3.09	351.89	-2.06	0.41
-5	2	3	10.80	9.51	-9.51	-0.26	181.57	1.28	0.54
-2	7	3	27.47	27.62	10.57	25.52	67.50	-0.16	0.37
-4	5	3	23.46	23.83	-12.93	20.01	122.86	-0.37	0.38
4	3	3	17.47	17.32	-7.81	15.45	116.82	0.15	0.44
-5	3	3	26.76	26.53	0.36	-26.53	270.78	0.23	0.37
2	7	3	13.30	10.09	4.97	8.78	60.50	3.21	0.50
4	4	3	12.24	13.89	-6.71	12.16	118.88	-1.65	0.57
0	8	3	16.66	16.86	13.46	10.15	37.00	-0.20	0.49
-1	8	3	8.57	6.38	5.40	3.39	32.09	2.20	0.71
-3	7	3	14.95	16.33	15.47	5.20	18.58	-1.38	0.50
3	6	3	10.19	10.48	9.87	-3.54	340.27	-0.29	0.65
-5	6	3	13.96	12.73	-1.00	-12.69	265.48	1.23	0.50
-4	6	3	14.48	13.44	-5.51	12.25	114.22	1.04	0.50

1	8	3	7.38	7.19	-1.21	7.09	99.70	0.18	0.85
-2	8	3	8.70	9.76	-4.82	8.49	119.57	-1.06	0.74
5	1	3	12.87	14.28	14.06	2.49	10.05	-1.40	0.53
4	5	3	15.98	14.77	13.75	5.39	21.41	1.21	0.50
-5	5	3	14.02	12.01	-6.20	10.29	121.09	2.01	0.54
-6	1	3	15.92	15.54	7.62	13.54	60.61	0.39	0.53
5	2	3	4.48	3.72	3.70	13.54	60.61	0.39	0.53
2	7	3	15.52	15.61	2.48	15.42	80.86	-0.09	0.75
-6	2	3	4.51	4.26	-3.24	2.77	139.49	0.24	1.41
-4	2	3	11.05	12.21	-8.99	8.26	137.43	-1.16	0.69
-4	7	3	9.37	5.31	5.48	0.60	6.27	3.86	0.75
-3	8	3	8.03	6.66	5.20	4.16	38.63	1.37	0.82
5	3	3	12.40	14.23	-10.12	-10.00	224.66	-1.83	0.65
0	9	3	13.14	14.19	8.91	11.04	51.10	-1.05	0.59
-1	9	3	13.49	5.18	4.24	-2.98	324.89	8.31	0.54
-6	3	3	8.94	7.43	-5.52	4.97	138.02	1.51	0.81
4	6	3	10.25	8.81	4.62	7.50	58.39	1.44	0.74
-5	6	3	9.99	9.84	-5.72	8.00	125.56	0.15	0.80
-1	9	3	7.91	6.48	0.08	6.48	89.26	1.43	0.84
-2	9	3	9.09	10.83	-8.54	6.66	142.06	-1.74	0.87
-5	4	3	10.18	11.25	-11.22	-0.83	184.22	-1.07	0.78
-6	4	3	13.02	10.41	-4.56	9.36	115.99	2.61	0.63
-3	8	3	13.71	13.70	-4.18	13.05	107.75	0.01	0.65
-4	8	3	7.13	7.05	5.33	4.62	40.93	0.08	1.16
-2	9	3	10.32	11.09	7.65	8.02	46.37	-0.76	0.80
-3	9	3	3.25	7.07	6.99	1.09	8.86	-3.82	2.31
5	5	3	5.73	2.65	2.07	-2.33	298.49	3.08	1.27
4	7	3	17.10	16.94	-6.44	15.67	112.34	0.16	0.52
-5	7	3	3.25	0.43	-0.09	0.42	102.15	2.82	2.31
-6	5	3	14.95	13.34	3.49	12.88	74.82	1.61	0.60
-1	10	3	17.78	20.06	11.46	16.46	55.14	-2.28	0.56
-6	1	3	10.94	13.45	7.43	11.22	312.98	3.58	1.12
-7	1	3	9.32	9.46	7.77	-5.39	325.23	-0.14	0.91
-1	10	3	7.05	3.48	2.37	-2.54	56.48	-2.51	0.85
6	2	3	10.94	13.45	7.43	11.22	312.98	3.58	1.12
-7	1	3	9.32	9.46	7.77	-5.39	325.23	-0.14	0.91
-7	1	3	5.39	2.31	2.22	-0.66	343.48	3.08	1.49
1	10	3	9.46	9.05	-8.83	1.98	167.36	0.40	0.91
-2	10	3	9.22	12.88	-12.05	4.55	159.33	-3.66	1.02
-7	2	3	5.17	3.37	0.89	-3.24	285.39	1.80	1.65
5	6	3	10.06	5.69	-3.73	4.29	131.06	4.37	0.85
6	3	3	3.42	6.89	4.63	-5.10	312.24	-3.48	2.43
3	9	3	8.75	7.87	-7.84	0.59	175.69	0.88	0.99
-6	6	3	13.08	13.76	-0.77	13.74	93.21	-0.69	0.74
-4	9	3	7.57	6.60	-6.15	2.40	158.68	-2.03	1.25
4	8	3	3.45	5.48	0.12	5.48	88.72	-2.03	1.25
-7	3	3	3.59	4.90	1.01	4.79	78.05	-1.30	2.56
-5	8	3	9.37	5.45	4.86	2.47	26.97	3.91	0.96
2	10	3	8.47	8.45	0.73	8.42	85.02	0.02	1.03
-1	2	4	25.66	25.73	24.53	-7.80	342.36	-0.08	0.19
-2	0	4	13.70	13.50	-1.22	13.44	95.18	0.20	0.25
0	2	4	27.64	27.59	27.56	1.27	2.63	0.06	0.19
-2	1	4	29.32	29.61	-4.61	351.04	-0.28	0.19	0.19
1	0	4	8.00	7.55	-2.64	-7.07	249.49	0.45	0.35
1	1	4	19.41	19.57	-10.37	327.99	-0.16	0.22	0.22
-2	2	4	24.88	24.87	19.97	14.81	36.56	0.01	0.22
-1	3	4	39.35	38.76	38.74	1.51	2.23	-1.06	0.21
0	3	4	58.22	59.28	58.58	-9.03	351.24	-1.06	0.21
1	2	4	46.70	46.91	44.12	-15.94	340.14	-0.21	0.21
-3	0	4	8.22	9.66	5.35	8.04	56.35	-1.44	0.44
-3	0	4	19.69	19.49	19.49	0.34	0.39	0.20	0.27
-3	1	4	31.53	30.33	30.31	1.05	1.99	1.20	0.24

1	3	4	24.61	25.62	23.74	-9.61	337.97	-1.00	0.25
2	0	4	31.24	31.87	31.84	-1.38	357.51	-0.63	0.24
-1	4	4	13.55	13.28	11.90	5.89	26.32	0.27	0.32
0	4	4	48.63	48.40	47.33	10.11	12.06	0.24	0.24
2	1	4	37.39	38.69	38.68	0.56	0.83	-1.29	0.24
-3	2	4	53.83	54.51	52.81	13.50	14.34	-0.68	0.24
2	2	4	49.29	50.97	49.91	10.32	11.68	-1.68	0.25
-2	4	4	36.78	36.30	25.18	-26.15	313.91	0.47	0.25
1	4	4	15.92	16.13	3.51	15.74	77.44	-0.21	0.32
-3	3	4	19.18	17.73	17.73	-0.34	358.91	1.44	0.29
2	3	4	20.28	20.05	14.22	14.14	44.84	0.23	0.31
-1	5	4	4.64	3.43	-3.10	1.46	154.85	1.21	0.78
0	5	4	19.25	17.14	15.51	-7.30	334.79	2.11	0.32
-4	0	4	26.33	25.05	20.45	-14.48	324.70	1.28	0.29
-4	1	4	17.11	15.79	-14.39	-6.49	204.28	1.33	0.35
-2	5	4	7.23	7.57	7.37	1.73	13.24	-0.34	0.60
-3	4	4	8.01	7.11	-0.02	-7.11	269.83	0.90	0.52
1	5	4	15.63	14.91	10.50	10.58	45.19	0.72	0.37
3	0	4	12.70	12.28	-6.45	-10.45	238.34	0.41	0.40
-4	2	4	42.24	40.96	38.27	-14.59	339.13	1.28	0.28
3	1	4	2.39	3.21	-0.01	-3.21	269.89	-0.82	1.69
2	4	4	16.42	16.68	-12.96	-10.49	218.99	-0.25	0.35
3	2	4	21.81	21.22	11.83	17.61	56.10	0.60	0.34
-1	6	4	12.99	13.63	3.46	13.19	75.28	-0.64	0.43
0	6	4	30.16	28.30	14.31	-24.42	300.37	1.86	0.31
-4	3	4	33.21	34.53	33.97	-6.17	349.70	-1.32	0.31
-3	5	4	6.24	3.78	2.00	3.20	57.98	2.47	0.68
3	3	4	24.04	23.44	18.22	14.75	39.00	0.60	0.34
-2	6	4	28.94	28.31	26.72	9.37	19.32	0.63	0.32
2	5	4	4.65	5.55	-2.18	-5.11	246.86	-0.90	1.03
-4	1	4	19.03	19.97	19.84	2.33	6.69	-0.94	0.38
1	6	4	25.67	25.61	-16.85	19.29	131.14	0.06	0.34
-5	0	4	30.59	30.41	-4.86	30.02	99.21	0.18	0.32
3	4	4	24.32	25.38	18.65	-17.22	317.29	-1.07	0.37
-5	1	4	20.78	19.85	8.58	17.90	64.41	0.93	0.37
-1	7	4	5.92	3.92	-0.91	3.82	103.48	2.00	0.81
0	7	4	7.35	5.07	-0.43	-5.05	265.16	2.28	0.71
-3	6	4	9.15	7.70	6.95	-3.31	334.55	1.44	0.62
-5	2	4	19.66	19.73	17.71	-8.70	333.84	-0.07	0.40
4	0	4	50.28	48.94	36.80	-32.27	318.75	1.34	0.32
4	1	4	22.50	20.95	20.57	3.95	10.87	1.56	0.38
2	6	4	12.77	11.82	11.82	0.47	2.29	0.94	0.49
-4	5	4	26.85	26.91	24.81	10.40	22.75	-0.06	0.37
-2	7	4	36.83	37.51	37.48	-1.36	357.92	-0.67	0.35
4	2	4	9.72	10.23	10.23	-0.08	359.53	-0.51	0.63
-4	2	4	31.92	32.74	29.10	15.02	27.31	-0.83	0.35
1	7	4	24.79	24.05	23.99	-1.58	356.23	0.74	0.38
-5	3	4	22.43	20.48	20.39	-1.95	354.53	1.95	0.38
4	3	4	16.14	16.94	13.79	-9.83	324.50	-0.79	0.46
-5	4	4	19.37	19.83	18.72	6.52	19.19	-0.46	0.43
-3	7	4	22.74	20.64	20.64	0.40	1.11	2.10	0.41
-4	6	4	14.99	15.98	15.40	4.29	15.56	-0.99	0.50
-1	8	4	26.27	27.30	26.58	6.23	13.19	-1.03	0.40
0	8	4	12.33	11.02	10.70	-2.67	345.96	1.30	0.56
2	4	4	19.62	19.62	17.33	-9.20	332.05	-0.00	0.44
4	7	4	11.41	11.29	10.32	4.57	23.88	0.13	0.62
3	6	4	28.56	29.50	28.07	9.07	17.91	-0.94	0.38
-2	8	4	17.35	19.15	18.56	-4.70	345.78	-1.80	0.46
1	8	4	13.83	14.68	10.96	9.78	41.74	-0.85	0.54
-6	0	4	10.63	11.60	11.05	-3.52	342.35	-0.96	0.66

-6	1	4	32.45	32.14	31.33	-7.13	347.19	0.31	0.38
-5	5	4	12.43	11.41	7.76	-8.37	312.82	1.02	0.57
-6	2	4	14.07	13.67	6.52	-12.01	298.50	0.40	0.53
5	0	4	24.80	23.13	16.74	15.96	43.64	1.67	0.43
4	5	4	4.77	6.76	4.01	-5.44	306.39	-1.99	1.49
5	1	4	18.04	16.18	10.52	12.29	49.44	1.87	0.50
-4	7	4	22.11	20.62	19.79	5.78	16.27	1.49	0.46
-3	8	4	11.13	12.87	-7.79	-10.25	232.74	-1.74	0.74
-6	3	4	8.53	7.45	7.33	1.33	10.28	-1.08	0.85
5	2	4	3.24	7.68	6.81	3.55	27.51	-4.44	2.30
3	2	4	20.30	21.80	21.01	-5.80	344.56	-1.51	0.47
2	7	4	5.98	4.24	-4.08	-1.13	195.46	1.74	1.09
-1	9	4	11.36	10.58	7.71	7.24	43.21	0.78	0.66
0	9	4	3.12	3.76	3.56	-1.20	341.40	-0.64	2.22
-5	6	4	18.37	18.54	11.58	-14.48	308.65	-0.18	0.50
-2	3	4	13.05	13.95	13.63	-2.96	347.74	-0.90	0.68
-2	9	4	13.52	13.20	12.35	-4.67	339.27	0.32	0.63
-6	4	4	27.95	26.69	24.40	10.82	23.92	1.27	0.46
4	6	4	21.16	19.93	-3.68	19.59	100.63	-1.23	0.50
1	9	4	3.24	8.26	6.64	4.92	36.53	-5.02	2.30
5	4	4	23.08	21.31	21.31	0.23	0.61	1.77	0.50
-4	8	4	12.37	12.88	12.16	4.23	19.19	-0.50	0.68
-3	9	4	3.43	6.33	-3.06	-5.54	241.06	-2.89	2.44
3	8	4	14.43	11.96	9.71	-6.97	324.32	2.47	0.60
-6	5	4	11.89	8.80	-5.55	8.08	124.48	2.09	0.74
-5	7	4	16.79	16.22	4.98	-15.44	287.87	0.57	0.59
2	9	4	5.83	4.64	-3.98	-2.37	210.77	1.20	1.37
-7	0	4	11.87	11.34	11.30	0.94	4.77	0.53	0.74
-4	7	4	3.37	4.81	4.76	0.73	8.73	-1.44	2.40
-1	1	4	15.48	16.26	1.95	16.14	83.11	-0.78	0.65
0	10	4	3.37	5.00	-4.90	-0.98	191.29	-1.63	2.39
5	5	4	12.34	13.64	11.78	-6.88	329.70	-1.30	0.81
0	10	4	3.36	5.37	-0.17	-5.37	268.14	-2.01	2.39
-7	2	4	6.66	4.76	-2.93	3.74	128.05	1.90	1.25
6	0	4	9.93	5.01	-2.37	4.41	118.27	4.92	0.90
1	10	4	16.20	17.26	-0.94	17.24	93.10	-1.06	0.62
6	1	4	12.59	15.65	14.38	-6.19	336.70	-3.06	0.80
6	1	4	15.08	13.59	1.19	-13.54	275.02	1.49	0.65
-6	6	4	3.49	3.51	1.61	-3.12	62.66	-0.02	2.49
-7	3	4	3.52	4.17	3.92	-1.41	340.28	-0.65	2.50
-4	9	4	3.56	5.96	-1.22	5.83	101.83	-2.40	2.53
6	2	4	9.43	9.03	5.25	-7.35	305.54	0.39	0.99
-1	1	5	12.52	12.59	-0.24	-12.59	268.93	-0.07	0.25
0	1	5	17.14	16.17	-4.61	-15.50	253.43	0.97	0.24
-1	2	5	24.02	25.18	-5.02	24.68	101.51	-1.16	0.25
0	1	5	18.95	18.87	2.91	18.64	81.12	0.09	0.22
-2	2	5	19.18	19.53	-13.59	14.02	134.11	-0.36	0.22
-2	2	5	9.93	10.83	-5.39	9.39	119.84	-0.90	0.34
1	1	5	24.01	24.56	13.04	20.80	57.91	-0.55	0.22
-1	3	5	20.97	21.90	-17.61	-4.98	346.84	-0.93	0.24
0	3	5	29.53	29.98	25.92	24.27	125.97	-0.45	0.22
1	2	5	44.13	45.19	-37.02	304.99	-1.07	0.22	
-2	3	5	5.58	4.92	-2.56	-4.20	238.62	0.66	0.57
-3	1	5	31.52	29.83	26.29	14.09	28.20	1.69	0.24
-1	4	5	11.00	9.82	9.53	2.37	13.98	1.18	0.35
-3	2	5	17.08	16.65	-13.41	-9.88	323.63	0.43	0.29
1	3	5	47.90	48.21	-39.18	28.10	144.35	-0.32	0.24
0	4	5	18.95	17.72	-11.98	13.05	132.57	1.24	0.29
2	1	5	41.44	42.30	-40.09	13.50	18.61	-0.86	0.25
-2	4	5	15.92	16.30	-15.32	5.57	160.00	-0.38	0.31

-3	3	5	5.77	5.45	5.31	-1.21	347.11	0.33	0.62
2	2	5	31.68	31.25	31.18	2.03	3.72	0.43	0.27
1	4	5	22.25	22.57	-9.29	-20.57	245.70	-0.31	0.29
-1	5	5	2.27	3.37	2.79	1.89	34.13	-1.10	1.62
0	5	5	15.67	13.62	5.12	12.62	67.90	2.05	0.35
-4	1	5	12.47	12.21	12.10	1.63	7.69	0.26	0.38
2	3	5	5.66	3.55	-2.95	-1.97	213.73	2.11	0.71
-3	4	5	15.29	15.21	-9.92	11.53	130.69	0.08	0.38
-2	5	5	18.68	18.72	-18.41	3.40	169.55	-0.04	0.34
-4	2	5	13.68	13.38	13.36	0.77	3.28	0.30	0.40
1	5	5	21.87	21.81	10.89	-18.89	299.97	0.07	0.34
2	4	5	11.72	10.98	5.32	9.60	61.01	0.74	0.44
-4	3	5	15.33	16.73	-16.32	3.68	167.30	-1.40	0.40
3	1	5	2.44	1.75	0.71	1.60	66.11	0.69	1.75
-1	6	5	17.05	17.03	15.02	-8.02	331.91	0.03	0.38
-3	5	5	22.22	22.07	8.19	20.50	68.23	0.15	0.35
0	6	5	14.32	13.93	11.74	7.51	32.59	0.38	0.43
3	2	5	38.88	38.36	-19.42	33.08	120.42	0.52	0.31
-2	6	5	10.13	8.80	-5.03	7.21	124.91	1.34	0.47
-4	4	5	12.86	11.85	-8.70	-8.05	222.79	1.01	0.46
3	3	5	33.87	34.35	-12.22	-32.11	249.16	-0.48	0.32
2	5	5	24.71	22.23	6.17	21.35	73.87	2.49	0.35
1	6	5	12.27	12.99	0.45	-12.98	88.01	-0.72	0.49
-5	2	5	11.87	11.26	-0.53	-11.25	267.29	0.61	0.46
-5	1	5	17.17	16.50	-10.28	12.91	128.53	0.67	0.40
-3	6	5	24.85	24.98	3.01	24.80	83.08	-0.13	0.37
-1	7	5	17.07	17.08	7.28	15.45	64.76	-0.01	0.44
3	4	5	19.88	19.79	-17.07	10.01	149.62	0.10	0.40
0	7	5	26.17	24.53	-1.86	24.46	94.34	1.64	0.37
-4	5	5	13.28	12.51	11.67	-4.51	338.87	0.77	0.46
-5	3	5	18.29	18.05	-10.30	14.82	124.78	0.24	0.41
-2	7	5	8.72	6.94	6.29	-2.94	334.94	1.78	0.65
4	6	5	21.00	20.22	4.13	19.79	78.22	0.78	0.38
4	1	5	13.27	13.32	-8.03	10.62	127.10	-0.05	0.49
1	7	5	2.61	1.48	-0.22	-1.47	261.60	1.12	1.84
4	2	5	2.86	3.43	-1.55	3.06	116.84	-0.58	2.03
3	5	5	24.49	24.07	-7.58	22.84	108.35	0.43	0.40
-5	4	5	13.59	12.29	0.98	12.25	85.42	1.30	0.50
-3	7	5	4.65	3.76	-2.81	2.50	138.28	0.90	1.12
-4	6	5	8.66	4.64	-2.70	-3.78	234.46	4.02	0.72
-1	3	5	22.05	19.74	16.03	-11.52	324.29	2.31	0.41
0	8	5	9.43	10.39	-7.01	7.67	132.43	-0.96	0.63
-1	8	5	8.54	8.45	-1.09	8.38	97.40	0.09	0.75
2	7	5	7.11	7.22	-6.85	2.27	161.66	-0.10	0.84
-6	1	5	10.93	10.84	-4.88	-9.68	243.27	0.09	0.65
-2	8	5	2.87	2.64	0.04	2.64	89.10	0.23	2.06
-5	5	5	5.21	4.87	0.41	4.86	85.13	0.34	1.13
3	6	5	2.99	5.85	5.53	1.91	19.07	-2.86	2.12
4	4	5	7.72	8.42	2.44	-8.06	286.81	-0.70	0.91
-6	2	5	5.63	5.70	-3.62	-4.41	230.62	-0.08	1.13
-4	8	5	20.66	21.20	-8.24	19.53	112.86	-0.53	0.47
-1	7	5	8.25	6.25	-5.91	2.02	161.17	2.00	0.82
-6	3	5	11.81	10.53	10.53	0.40	2.16	1.28	0.63
-3	8	5	3.02	3.32	3.09	1.22	21.64	-0.30	2.15
-4	5	5	13.34	6.37	5.33	-3.50	326.72	6.97	0.56
-5	6	5	6.01	6.99	5.64	4.14	36.28	-0.98	1.21
5	1	5	9.32	8.53	-4.03	7.51	118.22	0.79	0.77
2	8	5	14.42	14.70	-14.31	-3.38	193.30	-0.28	0.57
0	9	5	13.65	15.80	-5.02	-14.98	251.48	-2.15	0.60
-6	4	5	12.45	11.11	10.61	3.29	17.21	1.33	0.66

3	7	5	5.89	6.71	-0.95	6.64	98.15	-0.82	1.25
5	2	5	5.80	4.56	3.43	3.01	41.23	1.24	1.24
-2	9	5	17.23	19.14	0.86	19.12	87.41	-1.91	0.52
1	9	5	10.12	11.13	7.55	8.17	47.28	-1.01	0.77
5	3	5	18.48	20.81	8.45	19.02	66.05	-2.32	0.56
-4	8	5	13.21	11.09	-1.56	10.98	98.09	2.12	0.62
-6	6	5	3.27	6.30	3.31	5.36	58.27	-3.03	2.33
-4	6	5	5.10	3.55	-0.46	-3.53	262.62	1.54	1.41
-5	7	5	17.01	16.41	-4.93	15.65	107.48	0.60	0.57
-3	9	5	11.02	6.80	-1.92	6.52	106.41	4.21	0.78
-7	1	5	16.01	14.23	-11.30	8.65	142.56	1.78	0.59
5	4	5	10.65	8.22	1.93	7.99	76.42	2.43	0.80
3	8	5	8.78	10.98	4.22	-10.14	292.58	-2.20	0.93
-7	2	5	7.35	6.81	4.74	4.88	45.83	0.54	1.18
2	2	5	5.13	7.20	6.93	1.93	15.57	-2.07	1.72
-1	10	5	15.10	16.28	-11.19	11.83	133.41	-1.18	0.66
0	10	5	3.49	4.28	1.67	-3.94	292.93	-0.79	2.49
-6	6	5	12.70	11.24	9.32	6.27	33.90	1.46	0.75
-7	3	5	3.37	2.88	-2.28	1.76	142.34	0.49	2.40
-4	7	5	3.46	3.42	3.22	1.15	19.68	0.05	2.46
-2	10	5	9.19	12.84	8.45	9.66	48.83	-3.65	0.96
0	0	6	82.37	84.08	66.43	-51.53	322.20	-1.70	0.19
-2	0	6	63.02	64.25	5.04	64.05	85.50	-1.23	0.21
0	1	6	36.55	37.63	32.60	18.80	29.98	-1.08	0.22
-2	1	6	61.52	63.74	63.37	-6.87	353.81	-2.23	0.22
-1	2	6	13.40	13.17	9.86	8.74	41.54	0.23	0.32
-2	2	6	25.55	26.54	26.34	3.24	7.01	-0.98	0.28
0	2	6	30.62	31.10	30.62	5.43	10.06	-0.26	0.21
-1	0	6	41.12	41.38	33.48	24.32	36.00	-0.48	0.21
1	3	6	20.53	20.36	16.97	11.26	33.56	0.17	0.24
-3	1	6	25.74	25.41	9.20	23.69	68.77	0.33	0.22
0	0	6	14.46	14.45	14.43	-0.83	356.70	0.01	0.29
-3	3	6	25.63	27.02	18.92	-19.29	314.45	-1.39	0.24
0	3	6	15.57	14.71	10.57	-10.24	315.91	0.86	0.29
-3	1	6	9.65	9.75	5.37	8.14	56.62	-0.11	0.38
-2	2	6	13.12	13.28	7.26	11.12	56.87	-0.16	0.32
-3	2	6	31.31	31.00	22.00	-21.83	315.23	0.32	0.25
-1	4	6	13.58	12.88	11.57	5.65	26.03	0.70	0.35
1	3	6	13.03	13.13	13.11	-0.53	357.70	-0.09	0.34
0	4	6	4.30	4.16	1.41	3.92	70.23	0.14	0.85
-2	4	6	27.75	26.15	11.89	-23.29	297.04	1.60	0.28
-3	3	6	24.79	24.61	22.61	-9.70	336.77	0.18	0.27
-2	3	6	17.41	17.94	17.65	3.25	10.42	-0.53	0.31
2	1	6	15.52	16.58	1.82	-16.48	276.29	-1.06	0.35
-4	0	6	20.06	20.23	20.21	-0.86	357.57	-0.17	0.31
-4	1	6	21.24	20.58	-10.60	17.64	121.00	0.66	0.31
-2	2	6	21.97	22.33	-2.02	-22.24	264.82	-0.36	0.31
1	4	6	42.55	42.50	39.12	-16.62	336.98	0.05	0.27
-1	5	6	22.80	23.17	21.79	7.88	19.88	-0.38	0.29
-3	4	6	24.40	25.63	17.80	18.44	46.01	-1.23	0.31
0	5	6	17.36	18.25	12.10	-13.66	311.54	-0.89	0.37
-4	2	6	8.44	9.03	9.00	0.73	4.66	-0.59	0.54
-2	5	6	16.47	16.10	-13.55	8.70	147.29	0.36	0.35
2	3	6	15.99	16.05	15.94	1.91	6.83	-0.06	0.37
-4	3	6	27.34	27.91	27.68	-3.54	352.70	-0.58	0.31
1	5	6	31.83	31.90	29.74	-11.55	338.78	-0.07	0.31
-3	5	6	22.92	23.01	17.31	15.16	41.21	-0.10	0.34
-1	6	6	53.37	53.54	52.75	9.17	9.86	-0.16	0.29
2	4	6	36.94	36.75	34.58	12.44	19.78	0.19	0.31
3	0	6	45.29	44.90	35.96	26.89	36.79	0.39	0.29

3	1	6	32.81	32.96	32.69	4.28	7.45	-0.15	0.31
0	6	6	30.72	29.01	-5.46	28.49	100.85	1.71	0.32
-2	6	6	33.83	33.80	25.48	-22.20	318.94	0.03	0.32
-4	4	6	29.44	29.67	26.12	14.08	28.32	-0.23	0.34
-5	0	6	39.90	38.10	-3.55	354.66	1.80	0.32	0.32
3	2	6	21.58	20.78	17.36	-11.42	326.66	0.80	0.35
-5	1	6	25.52	26.02	25.99	1.35	2.97	-0.50	0.35
1	2	6	14.43	14.96	14.80	2.19	8.43	-0.52	0.46
1	6	6	14.64	12.36	-11.03	-5.57	206.80	2.28	0.41
2	5	6	32.58	34.41	28.18	19.75	35.02	-1.83	0.35
3	3	6	12.68	12.60	11.05	-6.06	331.28	0.08	0.46
-3	6	6	4.73	3.04	1.42	2.69	62.16	1.69	1.09
-4	5	6	32.77	32.61	31.81	-7.17	347.29	0.16	0.35
-1	7	6	20.90	21.00	20.74	-3.25	351.09	-0.10	0.40
-5	3	6	12.21	10.46	9.85	-3.52	340.36	1.75	0.49
0	7	6	16.38	17.84	-0.73	17.83	92.33	-1.47	0.46
-2	7	6	14.57	13.09	7.73	-10.57	306.20	1.47	0.49
3	4	6	7.82	7.22	1.46	7.07	78.32	0.60	0.75
2	6	6	10.52	10.49	6.86	7.93	49.11	0.03	0.57
-5	4	6	11.86	12.19	6.74	-10.16	303.59	-0.33	0.59
1	7	6	16.79	16.20	9.86	-12.85	307.48	0.59	0.47
4	0	6	8.53	9.35	-2.12	9.11	103.10	-0.82	0.71
4	1	6	8.07	8.50	8.50	-0.13	359.16	-0.43	0.66
-4	6	6	6.16	6.44	-0.26	-6.44	267.71	-0.29	1.02
-3	7	6	13.96	13.97	9.67	10.09	46.22	-0.01	0.56
3	5	6	2.89	5.31	0.81	5.25	81.22	-2.42	2.06
4	2	6	10.62	12.30	12.20	1.55	7.22	-1.68	0.68
-6	0	6	2.71	0.52	0.00	-0.52	270.05	2.19	1.93
-6	1	6	11.61	7.73	6.56	-4.09	328.05	3.87	0.54
-1	8	6	19.71	18.48	12.12	-13.94	311.00	1.23	0.47
-5	5	6	2.92	1.37	1.20	-0.65	331.54	1.55	2.08
0	8	6	10.94	11.55	9.77	-6.16	327.76	-0.60	0.63
-2	2	6	8.39	8.75	-5.71	6.63	130.74	-0.36	0.81
-6	2	6	11.90	11.20	10.58	3.69	19.22	0.70	0.62
4	3	6	3.03	5.38	5.30	0.92	9.89	-2.34	2.15
2	7	6	7.03	7.34	7.29	-0.91	352.89	-0.32	0.93
-4	3	6	9.09	6.64	6.41	1.73	15.14	2.45	0.74
-4	7	6	13.06	12.66	8.16	-9.68	310.15	0.40	0.63
1	8	6	11.61	12.21	9.81	-7.26	323.51	-0.60	0.68
3	4	6	15.86	14.62	7.02	-12.82	298.69	1.24	0.54
4	4	6	10.63	8.16	4.43	6.86	57.14	2.47	0.72
-3	8	6	16.42	16.36	11.90	11.22	43.30	0.07	0.53
-5	6	6	12.14	10.59	-0.47	10.58	92.57	1.55	0.68
-6	4	6	10.78	9.89	5.93	-7.91	306.87	0.90	0.71
-1	9	6	7.25	7.17	7.12	-5.78	320.93	-1.93	1.06
0	9	6	6.55	9.37	6.80	6.45	43.49	-2.82	1.22
4	5	6	13.46	13.89	12.46	6.15	26.29	-0.43	0.68
-2	9	6	5.14	5.49	5.15	-1.92	339.58	-0.35	1.53
5	0	6	15.46	14.31	3.33	-13.92	283.46	1.15	0.57
2	8	6	17.35	17.42	14.32	9.93	34.74	-0.07	0.54
5	1	6	11.97	12.59	12.07	-3.58	343.48	-0.62	0.71
3	7	6	3.28	6.67	-4.23	-5.16	230.65	-3.38	2.34
-4	8	6	17.63	17.50	13.23	-11.46	319.11	0.13	0.56
-6	5	6	13.73	13.07	11.62	5.99	27.27	0.65	0.65
-5	2	6	15.26	15.73	15.63	-1.77	353.54	-0.47	0.59
-5	7	6	7.19	5.67	4.51	3.44	37.32	1.52	1.15
1	9	6	12.33	13.48	11.90	-6.32	332.02	-1.15	0.69
-7	0	6	9.12	8.51	2.95	7.98	69.71	0.61	0.94
-7	1	6	19.65	17.99	17.24	5.15	16.63	1.65	0.53
-3	9	6	8.69	10.32	8.00	6.51	39.17	-1.63	1.03

5	3	6	13.18	11.77	10.79	-4.70	336.46	1.41	0.69
4	6	6	26.69	28.02	24.96	-12.75	332.94	-1.34	0.49
-7	2	6	19.03	19.48	19.46	0.97	2.86	-0.46	0.59
-2	1	7	40.61	41.62	41.61	-0.88	358.79	-1.02	0.22
0	1	7	15.57	15.86	-9.40	12.77	126.34	-0.29	0.29
-1	2	7	2.28	3.51	3.11	1.61	27.34	-1.22	1.63
-2	2	7	30.05	31.19	26.62	16.25	31.41	-1.15	0.28
0	2	7	3.77	3.88	3.05	-2.40	321.80	-0.11	1.00
-1	3	7	38.00	38.11	-36.49	-11.02	196.81	-0.12	0.29
-3	1	7	12.53	11.45	1.74	-11.31	278.72	1.09	0.32
-1	1	7	23.79	24.07	-11.23	21.29	117.82	-0.29	0.25
-2	3	7	19.57	19.69	-2.66	19.51	97.77	-0.12	0.28
0	3	7	22.24	22.76	10.30	-20.30	296.91	-0.53	0.28
-3	2	7	26.63	26.71	0.54	-26.71	271.15	-0.09	0.25
-1	2	7	21.12	21.20	-8.63	19.36	114.03	-0.08	0.28
-1	4	7	17.29	18.72	-18.65	-1.62	184.98	-1.43	0.31
-2	4	7	22.67	20.84	5.87	20.00	73.65	1.83	0.29
-3	3	7	16.95	16.18	-11.02	11.86	132.90	0.77	0.32
0	4	7	13.31	13.21	10.93	-7.41	325.86	0.10	0.35
-4	1	7	28.53	28.41	18.36	21.68	49.73	0.12	0.28
-1	1	7	15.67	14.64	-13.56	-5.52	202.14	1.03	0.35
-2	1	7	20.74	19.49	-11.55	-15.70	233.65	1.25	0.29
-1	5	7	25.44	24.90	-6.05	24.15	104.05	0.54	0.31
-4	2	7	12.92	12.46	-12.28	2.08	170.39	0.46	0.37
-3	4	7	6.44	5.86	-3.79	-4.46	229.66	0.58	0.71
-2	4	7	19.84	20.48	0.48	20.47	88.65	-0.64	0.32
2	2	7	24.04	23.18	-14.68	-17.93	230.69	0.86	0.31
-2	5	7	13.06	12.76	0.47	12.75	87.88	0.30	0.41
0	5	7	21.87	21.40	17.45	12.39	35.38	0.48	0.32
-4	3	7	20.27	19.78	-0.78	19.77	92.26	0.48	0.35
-3	3	7	2.55	2.56	-0.49	2.51	101.07	-0.01	1.86
-2	5	7	23.58	23.21	10.08	-20.90	295.74	0.37	0.34
1	5	7	16.63	15.23	-14.00	6.01	156.77	1.40	0.38
-1	6	7	2.64	4.63	-2.39	3.96	121.07	-1.99	1.89
-4	4	7	20.72	20.41	-14.08	14.78	133.60	0.31	0.35
-2	6	7	2.72	7.41	6.20	4.06	33.22	-4.69	1.94
2	4	7	5.07	4.55	-4.36	-1.31	196.78	0.51	0.94
0	6	7	9.66	9.11	7.07	5.73	39.02	0.56	0.59
-5	1	7	6.24	5.80	5.23	-2.49	334.52	0.45	0.78
3	1	7	23.65	22.76	9.46	-20.70	294.55	0.89	0.35
-5	2	7	14.20	14.51	-5.11	13.58	110.62	-0.31	0.46
3	2	7	19.76	19.11	15.94	10.53	37.44	0.66	0.40
-3	6	7	6.27	7.01	5.52	4.31	37.98	-0.73	0.85
-4	5	7	7.51	6.60	-1.53	6.42	103.37	0.91	0.72
1	6	7	12.15	9.66	-5.21	8.13	122.67	2.50	0.52
-5	3	7	23.43	23.25	-22.64	-5.27	346.90	0.19	0.40
2	5	7	18.16	15.70	-10.98	-11.22	225.62	2.46	0.43
3	3	7	8.37	6.75	5.00	4.54	42.26	1.61	0.68
-1	7	7	4.73	2.70	-1.29	-2.38	241.42	2.02	1.09
-2	7	7	15.26	13.96	-11.37	8.10	144.54	1.30	0.49
0	7	7	2.84	2.67	2.67	-0.13	357.26	0.17	2.03
-5	4	7	8.10	8.00	4.66	6.51	54.42	0.10	0.74
-3	4	7	19.18	16.25	8.23	14.01	59.58	2.92	0.43
-4	6	7	6.92	7.70	-3.25	7.36	106.96	-0.78	0.96
-3	7	7	11.68	11.65	3.05	11.25	74.82	0.03	0.57
2	6	7	6.36	6.98	1.62	6.79	76.59	-0.62	1.00
1	7	7	6.45	2.81	-2.30	-2.30	305.13	3.64	0.90
-6	1	7	2.92	4.15	2.49	-3.32	53.10	-1.24	2.08
4	1	7	2.99	5.94	-0.32	-0.32	356.95	-2.95	2.14
-5	5	7	9.44	9.01	2.84	8.55	71.60	0.43	0.74

-6	2	7	2.89	1.95	1.33	-1.42	313.19	0.94	2.06
-1	8	7	3.06	5.74	1.98	5.39	69.82	-2.68	2.18
3	5	7	10.43	8.79	6.39	6.04	43.42	1.64	0.65
4	2	7	3.15	6.48	0.54	6.46	85.18	-3.33	2.24
-2	8	7	12.30	12.76	-12.75	0.62	177.20	-0.47	0.63
0	8	7	9.66	9.41	-5.03	7.96	122.32	0.25	0.75
-6	3	7	14.80	14.36	-12.26	-7.48	211.37	0.44	0.56
-4	7	7	9.72	8.83	4.14	7.80	62.03	0.89	0.72
-4	3	7	14.67	13.51	-11.68	6.80	149.80	1.16	0.56
-3	8	7	17.28	17.26	-5.28	16.43	107.80	0.02	0.53
-5	6	7	13.17	12.18	10.98	-5.26	334.43	0.99	0.66
-1	4	7	5.52	4.41	2.74	-3.46	308.44	1.11	1.30
-6	1	7	6.41	7.01	-6.88	1.39	168.61	-0.61	1.24
3	6	7	3.12	2.97	-2.29	-1.89	219.46	0.15	2.24
4	4	7	13.80	13.72	-10.01	9.39	136.82	0.08	0.66
-1	9	7	18.72	19.97	18.18	8.27	24.47	-1.25	0.54
-2	9	7	9.54	11.77	11.53	-2.38	348.32	-2.23	0.90
0	9	7	24.51	27.35	-17.96	20.62	131.06	-2.84	0.50
-6	5	7	8.14	8.62	-7.30	4.59	147.80	-0.48	1.02
-4	8	7	11.18	9.75	5.51	8.04	55.57	1.43	0.72
2	8	7	14.23	15.37	7.94	13.16	58.91	-1.14	0.65
4	5	7	9.13	6.16	-0.57	6.13	95.33	2.97	0.94
-7	1	7	9.12	9.41	8.82	3.26	20.27	-0.29	0.94
-5	7	7	6.50	2.56	-0.44	2.52	99.97	3.94	1.19
3	7	7	18.84	17.04	-2.40	16.87	98.11	1.80	0.56
-1	1	8	31.18	31.67	30.38	8.95	16.42	-0.49	0.19
-2	1	8	30.58	32.21	30.70	-9.75	342.38	-1.64	0.21
-2	0	8	30.32	30.12	10.98	-28.05	291.37	0.21	0.24
0	0	8	21.53	21.06	15.81	-13.91	318.67	0.48	0.28
-1	2	8	10.72	12.49	9.64	-7.94	320.54	-1.77	0.41
0	1	8	24.98	26.05	11.79	23.22	63.08	-1.07	0.28
-2	2	8	7.28	8.66	-5.78	-6.45	228.09	-1.38	0.59
0	2	8	17.17	17.86	8.60	-15.65	298.78	-0.68	0.35
-3	0	8	13.86	13.60	10.69	8.41	38.20	0.26	0.37
-3	0	8	19.09	19.30	11.25	15.68	54.33	-0.21	0.35
-1	3	8	15.46	14.81	14.81	-0.09	359.65	0.66	0.40
-2	3	8	16.67	17.32	14.90	8.83	30.66	-0.65	0.40
1	0	8	25.77	24.78	17.33	-17.72	314.35	0.99	0.34
-3	0	8	23.30	23.25	2.03	23.16	85.00	0.05	0.35
0	3	8	7.76	9.17	0.80	-9.14	274.99	-1.41	0.54
1	1	8	23.05	24.32	22.63	-8.90	338.53	-1.27	0.29
1	2	8	31.78	31.50	30.60	-7.47	346.28	0.28	0.25
-1	4	8	22.15	21.37	21.31	1.69	4.55	0.78	0.29
-3	3	8	10.16	11.15	11.10	0.99	5.07	-0.99	0.52
-2	4	8	35.36	34.76	34.75	-0.79	358.70	0.60	0.27
-4	4	8	32.73	32.64	25.71	-20.10	321.98	0.09	0.28
0	4	8	33.20	32.58	6.23	31.97	78.98	0.62	0.28
-4	1	8	36.61	35.99	35.99	-0.24	359.61	0.62	0.27
1	3	8	12.28	11.40	11.27	1.72	8.67	0.88	0.40
-4	4	8	23.96	23.88	21.98	-19.85	327.93	1.90	0.31
-3	2	8	39.29	37.39	31.68	-19.85	9.33	0.09	0.28
2	0	8	32.95	32.66	9.23	31.33	73.58	0.29	0.29
-1	5	8	12.09	12.18	12.17	0.24	1.14	-0.08	0.47
2	5	8	8.75	7.96	7.29	-3.19	336.37	0.79	0.53
-2	1	8	35.11	32.40	25.18	20.40	39.01	2.71	0.29
-4	3	8	11.90	10.89	0.88	10.86	85.34	1.01	0.46
0	5	8	8.48	8.36	7.62	-3.43	335.74	0.13	0.63
2	5	8	27.45	26.17	22.90	-12.66	331.07	1.29	0.32
-3	5	8	29.29	28.66	17.84	18.37	45.83	0.08	0.32
	8	8		23.91	-15.80	326.55		0.64	0.32

2	3	8	21.46	20.23	19.11	6.66	19.21	1.23	0.35
-5	0	8	14.62	14.93	7.23	-13.07	298.94	-0.31	0.43
-4	4	8	4.05	5.90	3.63	-4.65	308.01	-1.85	1.34
-5	1	8	6.22	7.41	4.29	-6.04	305.35	-1.20	0.85
-1	6	8	17.29	16.54	-2.98	-16.27	259.61	0.75	0.41
1	5	8	13.51	11.77	9.95	6.29	32.29	1.74	0.46
-2	6	8	11.68	12.82	0.82	12.80	86.32	-1.14	0.54
-5	2	8	7.67	9.11	8.64	-2.88	341.56	-1.43	0.75
0	6	8	31.40	29.65	29.14	-5.48	349.35	1.75	0.34
2	4	8	32.86	32.30	11.90	-30.03	291.62	0.56	0.34
3	0	8	17.51	15.25	13.46	-7.17	331.95	2.26	0.43
3	1	8	13.77	13.04	11.59	-5.98	332.69	0.73	0.50
-3	6	8	8.60	9.18	9.08	-1.36	351.48	-0.58	0.68
-5	3	8	5.26	8.14	6.91	4.31	31.97	-2.89	1.10
-4	5	8	2.75	4.56	-0.27	-4.55	266.62	-1.80	1.97
3	2	8	4.24	4.29	0.28	4.28	86.30	-0.05	1.22
-1	6	8	15.10	14.19	10.23	-9.83	43.86	0.91	0.47
1	7	8	16.41	13.44	-9.26	-9.74	226.44	2.96	0.43
-2	5	8	18.12	14.17	13.51	4.26	17.50	-0.14	0.80
-5	7	8	8.09	8.23	-0.01	8.23	90.10	-0.01	0.63
3	4	8	10.47	10.49	-1.12	10.43	96.14	0.01	0.56
0	3	8	10.72	10.72	9.72	-4.51	335.10	0.01	0.38
3	7	8	29.41	26.32	24.93	-8.43	341.31	3.09	0.38
-4	6	8	13.99	12.21	8.28	8.97	47.30	1.78	0.49
-6	0	8	32.53	30.84	18.28	24.83	53.64	1.70	0.37
-6	1	8	16.42	16.07	13.92	8.02	29.96	0.36	0.49
-3	7	8	8.47	6.79	6.70	-1.10	350.68	1.68	0.80
3	4	8	18.38	17.73	17.10	-4.70	344.62	0.65	0.47
-6	2	8	13.00	13.99	13.99	-0.13	359.48	-0.99	0.56
-5	5	8	19.28	19.30	18.76	4.56	13.65	-0.02	0.46
-1	7	8	11.64	10.12	9.84	2.38	13.62	1.51	0.60
2	6	8	11.08	10.37	8.43	-6.04	324.36	0.70	0.66
-1	8	8	11.19	10.18	2.47	9.87	75.98	1.02	0.66
-6	3	8	8.94	10.05	9.83	-2.10	12.05	-1.11	0.78
-4	0	8	18.95	19.91	19.41	-4.43	347.14	-0.95	0.49
-2	8	8	18.59	19.28	17.67	7.71	23.58	-0.70	0.53
4	1	8	20.88	18.17	17.75	3.89	12.37	2.72	0.46
0	8	8	12.39	12.84	12.82	-0.51	357.70	-0.45	0.60
3	5	8	13.46	9.86	9.15	3.67	21.85	3.60	0.57
-4	7	8	13.54	12.57	-1.53	12.47	96.98	0.97	0.60
4	2	8	6.26	6.38	6.21	-1.48	346.56	-0.12	1.10
-5	6	8	31.94	29.95	29.64	4.32	8.29	2.00	0.43
-6	4	8	10.77	10.57	9.41	-4.82	332.85	0.19	0.68
-3	8	8	15.46	16.04	9.34	-13.04	305.59	-0.57	0.57
2	7	8	3.09	4.81	4.43	-1.86	337.22	-1.72	2.21
4	3	8	11.77	9.10	9.07	0.67	4.19	2.67	0.66
1	8	8	3.30	5.25	-4.52	2.66	149.48	-1.95	2.34
3	6	8	12.83	12.92	11.59	5.69	26.16	-0.09	0.69
-1	1	9	26.51	26.70	-3.33	-26.49	262.83	-0.19	0.22
-1	1	9	25.76	25.64	-24.44	-7.76	197.63	0.12	0.25
-2	2	9	19.69	20.83	12.11	16.95	54.45	-1.14	0.32
0	2	9	14.61	15.33	-8.06	-13.04	238.28	-0.72	0.37
0	1	9	6.17	5.85	2.18	-5.43	291.83	0.32	0.66
-3	1	9	41.43	43.36	-22.84	36.86	121.78	-1.93	0.29
0	2	9	7.45	8.58	-7.09	4.82	145.78	-1.12	0.63
-1	3	9	19.13	20.30	19.60	5.29	15.10	-1.17	0.38
-2	3	9	8.23	9.39	6.02	-7.20	309.87	-1.15	0.63
-3	2	9	7.61	10.27	-9.65	3.49	160.13	-2.65	0.62
0	3	9	16.80	17.13	-7.51	15.40	115.99	-0.33	0.43
1	1	9	9.91	10.70	10.59	-1.56	351.60	-0.79	0.57

-3	3	9	24.74	25.08	-3.45	24.84	97.90	-0.34	0.29
-1	4	9	22.81	23.17	11.82	19.93	59.33	-0.36	0.31
-2	4	9	15.23	15.51	11.24	-10.68	316.47	-0.28	0.40
1	2	9	11.68	11.69	-2.85	-11.33	255.90	-0.01	0.41
-4	1	9	9.00	8.61	6.25	5.93	43.51	0.39	0.47
0	4	9	19.57	20.90	-15.44	14.08	137.65	-1.32	0.35
-4	2	9	2.44	5.37	5.01	-1.93	338.94	-2.93	1.78
1	3	9	7.57	7.08	3.66	-6.06	301.16	0.49	0.65
-3	4	9	8.65	7.88	5.51	5.64	45.65	0.77	0.63
-1	5	9	11.03	10.04	-2.87	9.62	106.62	0.99	0.47
-4	3	9	20.43	18.43	10.58	-15.08	305.05	2.00	0.35
-2	5	9	16.79	15.37	-15.35	-0.69	182.57	1.42	0.41
2	4	9	13.00	15.76	6.37	14.41	113.83	-2.75	0.52
1	1	9	7.57	8.42	8.15	2.09	14.40	-0.85	0.71
0	5	9	10.99	10.85	-1.51	-10.74	261.98	0.14	0.50
2	2	9	15.39	15.06	-9.00	12.07	126.73	0.34	0.43
-3	5	9	14.65	14.84	-8.60	12.09	125.44	-0.18	0.49
-4	4	9	9.94	10.44	10.43	-0.59	356.79	-0.50	0.57
-5	1	9	13.12	11.66	9.43	-6.86	323.97	1.46	0.47
2	3	9	8.95	8.28	-2.54	7.88	107.89	0.68	0.62
-5	2	9	8.41	8.06	-5.44	5.95	132.41	0.34	0.68
-1	6	9	3.02	7.83	-7.83	0.23	178.34	-4.81	2.18
-2	6	9	2.81	4.65	-3.75	2.75	143.67	-1.84	2.02
1	5	9	14.76	12.35	12.26	1.48	6.87	2.41	0.44
0	6	9	12.25	10.11	-10.02	-1.30	187.37	2.15	0.52
-5	3	9	15.85	15.16	-12.21	-8.98	216.34	0.69	0.46
-4	5	9	21.94	20.47	14.89	14.05	43.34	1.48	0.40
-3	6	9	15.97	14.21	-6.79	12.48	118.55	1.76	0.47
2	4	9	8.19	7.62	3.87	6.57	59.48	0.57	0.75
3	1	9	14.18	11.99	-11.53	3.28	164.12	2.19	0.47
-5	4	9	14.71	15.63	-15.60	1.02	176.27	-0.92	0.54
-1	6	9	23.45	22.97	-1.07	8.73	58.26	-0.47	0.41
1	6	9	9.96	10.26	5.40	22.95	92.66	0.47	0.71
3	2	9	2.81	3.83	-0.36	-3.82	264.55	-1.02	2.02
-2	5	9	17.14	16.90	14.82	8.13	28.74	0.24	0.47
4	6	9	15.30	14.97	-1.51	14.89	95.79	0.33	0.49
-4	6	9	11.34	9.78	4.29	8.79	63.98	1.56	0.59
-6	1	9	7.39	7.82	7.77	-0.90	353.40	-0.42	0.90
0	7	9	10.02	9.37	-8.27	4.39	152.04	0.65	0.71
3	7	9	6.60	4.66	4.57	0.94	11.67	1.94	0.87
-3	7	9	17.22	16.60	5.06	-15.81	287.75	0.62	0.49
-6	2	9	11.66	11.22	4.85	10.12	64.40	0.45	0.65
-5	5	9	3.09	3.44	-2.21	2.63	130.04	-0.35	2.22
-6	3	9	19.44	19.43	2.87	19.22	81.52	0.01	0.52
3	4	9	7.03	6.05	-0.50	-6.03	265.25	0.98	0.90
1	7	9	10.41	9.44	-7.41	5.85	141.74	0.97	0.69
2	6	9	5.14	2.72	0.54	2.66	78.47	2.42	1.22
-1	8	9	3.06	4.15	3.21	3.50	57.71	-1.08	2.19
-2	8	9	13.03	14.20	3.32	13.80	76.48	-1.16	0.65
-4	7	9	9.76	8.99	-8.43	3.14	159.55	0.77	0.80
-1	1	10	9.10	8.19	7.88	-2.25	344.08	0.91	0.41
-2	1	10	8.67	8.07	-0.19	8.06	91.37	0.61	0.47
-1	2	10	17.22	18.06	16.92	6.32	20.49	-0.84	0.35
-2	2	10	26.54	27.35	26.09	8.20	17.45	-0.81	0.29
0	0	10	18.03	18.46	18.05	-3.88	347.86	-0.44	0.34
-3	0	10	20.91	21.57	21.46	2.17	5.77	-0.66	0.31
0	1	10	23.11	23.52	23.43	2.05	5.00	-0.41	0.32
-3	1	10	25.30	26.70	25.56	-7.70	343.23	-1.40	0.32
0	2	10	15.71	16.26	11.31	11.68	45.93	-0.54	0.41
-3	2	10	28.66	30.46	28.61	-10.46	339.93	-1.80	0.34

-1	3	10	19.90	21.70	20.89	-5.87	344.31	-1.80	0.40
-2	3	10	23.65	24.71	23.70	6.99	16.42	-1.06	0.35
0	3	10	12.93	12.65	11.96	4.11	18.96	0.28	0.52
-3	3	10	9.16	8.52	7.35	4.32	30.43	0.64	0.62
-4	0	10	7.94	7.43	6.98	-2.54	340.01	0.51	0.71
-4	1	10	8.85	7.53	7.50	0.64	4.86	1.32	0.62
-4	1	10	11.16	10.48	10.02	-3.07	342.98	0.68	0.56
-4	1	10	11.50	10.48	9.20	5.02	28.62	1.03	0.54
-1	4	10	15.04	15.91	9.20	-12.76	306.69	-0.87	0.52
-2	4	10	7.48	7.00	2.05	-6.70	286.99	0.48	0.75
-1	4	10	15.04	15.91	9.20	-12.76	306.69	-0.87	0.52
-2	4	10	7.48	7.00	2.05	-6.70	286.99	0.48	0.75
-1	1	10	2.72	3.26	1.94	-2.61	306.65	-0.53	1.93
-4	2	10	10.02	9.76	1.54	-9.64	279.09	0.26	0.50
0	4	10	22.77	23.33	23.24	-1.98	355.12	-0.56	0.35
-3	4	10	6.85	8.05	-2.24	7.73	106.18	-1.20	0.78
-4	3	10	7.32	7.07	5.83	4.01	34.51	0.25	0.77
-1	3	10	7.05	6.62	4.01	-5.27	307.29	0.43	0.78
-4	3	10	7.32	7.07	5.83	4.01	34.51	0.25	0.77
-1	5	10	9.93	9.65	9.55	-1.38	351.75	0.27	0.56
-2	5	10	16.27	15.94	14.61	-6.38	336.42	0.33	0.44
2	0	10	26.27	26.73	24.69	10.25	22.54	-0.46	0.35
-5	0	10	23.84	23.46	22.32	7.22	17.94	0.39	0.37
0	5	10	4.98	5.37	4.45	-3.00	325.99	-0.39	1.22
-3	5	10	6.76	6.87	2.62	6.35	67.57	-0.10	0.81
-5	1	10	15.99	16.46	14.96	-6.86	335.35	-0.46	0.44
-2	1	10	19.75	18.98	17.66	6.96	21.52	0.77	0.38
1	4	10	23.06	22.18	19.30	10.92	29.51	0.89	0.37
-4	4	10	21.52	21.12	14.16	15.67	47.90	0.40	0.40
-4	4	10	21.52	21.12	14.16	15.67	47.90	0.40	0.40
-5	2	10	21.97	20.79	19.88	-6.11	342.92	1.18	0.40
-1	6	10	7.51	6.30	3.77	5.04	53.19	1.21	0.71
-2	6	10	18.54	17.99	10.57	14.55	54.00	0.56	0.44
-2	6	10	17.97	16.93	16.92	-0.57	358.06	1.04	0.41
5	3	10	13.09	13.76	13.56	2.32	9.69	-0.66	0.54
-5	3	10	16.97	14.97	14.86	-0.64	356.71	-2.82	0.87
1	5	10	8.28	11.09	11.08	-0.64	356.71	-2.82	0.87
-4	5	10	13.59	15.13	15.02	-1.83	353.06	-1.54	0.57
0	6	10	2.90	3.21	-0.55	-3.17	260.19	-0.31	2.11
-3	6	10	10.49	7.82	7.66	-1.56	348.50	2.67	0.63
2	4	10	2.96	3.82	-3.81	0.17	177.47	-0.85	2.14
-5	4	10	21.06	20.47	20.40	1.68	4.69	0.59	0.46
3	0	10	5.54	5.01	-2.09	4.55	114.67	0.53	1.21
-6	0	10	16.75	15.79	11.69	-10.62	317.74	0.95	0.47
-1	7	10	18.09	17.88	8.27	15.85	62.45	0.21	0.49
-2	7	10	16.07	15.08	11.97	-9.17	322.55	0.98	0.53
3	1	10	3.09	4.84	3.81	2.98	38.08	-1.75	2.24
-6	1	10	18.28	19.25	12.04	-15.02	308.72	-0.97	0.49
-4	6	10	12.98	13.11	12.34	-4.44	340.22	-0.14	0.59
-4	6	10	19.04	18.79	17.48	-6.88	338.51	0.25	0.49
3	2	10	21.03	18.61	17.89	5.82	18.03	2.22	0.44
-6	2	10	6.38	5.52	4.55	3.13	34.51	0.85	1.05
0	7	10	5.94	4.19	4.16	0.46	6.24	1.75	1.08
-3	7	10	15.27	13.22	13.12	-1.57	353.17	2.06	0.53
-5	5	10	9.84	6.60	5.81	3.13	28.26	3.24	0.74
-5	5	10	7.05	8.51	6.75	-5.18	322.49	-1.46	1.02
-2	1	11	12.42	12.32	1.02	12.28	85.26	0.09	0.38
-1	1	11	9.04	10.84	-10.52	2.62	166.01	-1.80	0.59
-2	2	11	12.24	13.94	-11.53	7.84	145.76	-1.70	0.52
-1	2	11	13.51	12.94	0.52	12.93	87.70	0.57	0.44
-3	1	11	14.12	15.21	15.15	-1.31	355.06	-1.08	0.40
0	1	11	4.05	3.75	-2.85	2.43	139.61	0.30	1.24
-3	2	11	8.26	7.61	4.87	-5.84	309.84	0.65	0.71
-2	3	11	13.03	13.37	-12.04	5.83	154.17	-0.34	0.49

-1	3	11	20.81	21.74	-2.92	-21.54	262.28	-0.93	0.41
0	2	11	11.66	11.72	8.72	7.83	41.93	-0.05	0.53
-3	3	11	10.87	9.85	6.08	7.75	51.89	1.02	0.57
-4	1	11	10.49	8.82	-6.40	-6.06	223.45	1.67	0.56
0	3	11	14.71	15.74	15.42	3.17	11.61	-1.03	0.52
-2	4	11	6.95	6.88	-3.81	5.73	123.64	0.07	0.85
-1	4	11	2.86	4.60	-3.39	-3.11	317.43	-1.74	2.03
-4	2	11	4.95	2.72	-2.68	-0.49	190.46	2.23	1.21
1	4	11	5.99	3.89	-1.85	-3.42	241.64	2.10	1.00
-3	1	11	5.82	7.80	-7.74	0.92	6.80	-1.98	1.15
1	2	11	21.22	20.53	-13.35	-15.59	229.44	0.70	0.49
-4	3	11	13.62	11.81	-6.86	9.61	125.53	1.81	0.56
0	4	11	14.04	13.43	2.27	13.24	80.27	0.60	0.60
-2	5	11	10.81	11.68	4.17	10.91	69.07	-0.87	0.63
1	3	11	10.56	12.55	1.27	12.49	84.20	-1.99	0.69
-1	5	11	6.83	6.12	5.07	3.43	34.06	0.71	0.80
-5	1	11	8.70	8.86	-8.77	-1.26	188.15	-0.16	0.75
-4	4	11	8.28	7.06	-6.91	1.43	168.27	1.22	0.74
-3	5	11	7.05	7.87	7.76	-1.36	350.06	-0.82	0.94
-5	2	11	12.68	11.34	-7.57	6.51	35.04	1.34	0.52
0	5	11	10.87	13.48	-7.57	11.16	124.15	-2.61	0.65
1	4	11	8.72	10.33	-10.08	-2.29	192.82	-1.61	0.75
2	1	11	10.63	8.75	8.14	-3.22	338.44	1.88	0.62
2	2	11	3.20	8.45	8.33	1.42	9.66	-5.26	2.33
-2	3	11	15.48	14.42	11.45	8.77	37.43	1.06	0.49
-2	6	11	9.82	9.94	1.68	9.80	80.28	-0.12	0.74
-1	6	11	5.88	3.82	0.29	-3.81	274.42	2.05	1.00
-4	1	11	12.24	11.13	-7.98	-7.75	224.16	1.11	0.57
-3	5	11	9.78	8.50	4.03	7.49	61.71	1.28	0.75
2	3	11	9.26	10.62	1.29	10.55	83.00	-1.36	0.78
1	5	11	10.29	11.84	-11.30	-3.54	197.41	-1.55	0.78
-2	1	12	17.19	17.44	16.89	-4.32	345.67	-0.25	0.32
-1	0	12	12.27	12.36	-2.88	12.02	103.46	-0.09	0.46
-1	1	12	5.86	8.67	7.64	4.09	28.13	-2.81	0.96
-3	0	12	18.94	18.71	14.75	-11.51	322.03	0.23	0.37
-2	2	12	17.13	15.78	14.81	-5.43	339.86	1.35	0.40
-3	1	12	6.98	7.07	5.53	-4.40	321.47	-0.09	0.71
-1	2	12	12.99	14.10	14.09	0.39	1.60	-1.11	0.56
-3	2	12	2.86	3.95	3.22	-2.29	324.51	-1.10	2.08
0	0	12	11.03	10.86	-7.49	-7.87	226.42	0.17	0.56
0	1	12	15.07	13.92	-2.04	-6.99	329.87	1.15	0.52
-2	3	12	13.96	14.28	14.22	1.27	5.11	-0.31	0.54
-1	3	12	12.11	12.77	12.75	-0.63	357.19	-0.66	0.59
-4	0	12	9.43	11.21	7.52	-8.32	312.12	-1.79	0.75
0	2	12	22.36	22.38	22.23	-2.54	353.48	-0.02	0.43
-3	3	12	9.91	8.54	7.08	4.78	34.05	1.37	0.62
-4	1	12	18.40	18.29	12.44	13.40	47.13	0.11	0.47
-4	2	12	17.67	17.59	15.33	8.63	29.37	0.08	0.53
-2	4	12	2.98	5.11	4.66	-2.11	335.58	-2.14	2.14
0	3	12	14.24	14.02	13.46	-3.92	343.75	0.22	0.56
-1	4	12	10.38	10.96	6.80	8.60	51.68	-0.58	0.75
1	4	12	11.65	10.93	10.10	4.18	22.50	0.72	0.65
-3	4	12	13.17	14.06	12.98	5.41	22.61	-0.89	0.62
1	1	12	18.07	16.84	14.33	8.84	31.68	1.23	0.49
-4	3	12	14.18	14.11	14.05	-1.26	354.88	0.07	0.57
1	4	12	22.08	20.57	17.40	-10.97	32.22	1.51	0.49
0	4	12	7.41	7.02	7.00	-0.47	356.14	0.39	0.90
-5	0	12	3.09	4.65	-2.71	-3.78	234.39	-1.56	2.19
-2	5	12	6.32	7.39	5.96	4.38	36.32	-1.08	1.15
-5	1	12	10.94	8.96	8.13	-3.77	335.12	1.98	0.74